

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L19	1	"5194793".pn.	US-PGPUB; USPAT	OR	ON	2005/04/18 12:07
L20	1	"5334922".pn.	US-PGPUB; USPAT	OR	ON	2005/04/18 12:07
S1	1	"20030203640"	US-PGPUB; USPAT	OR	ON	2005/04/18 10:09
S2	1	"20020119670"	US-PGPUB; USPAT	OR	ON	2005/04/07 09:31
S3	9	156/345.3.ccls. and liner	US-PGPUB; USPAT	OR	ON	2005/04/07 09:39
S4	26858	chamber and liner	US-PGPUB; USPAT	OR	ON	2005/04/07 09:40
S5	3006	chamber and liner and semiconductor and ( substrate or wafer)	US-PGPUB; USPAT	OR	ON	2005/04/07 09:41
S6	1440	(chamber same liner) and semiconductor and ( substrate or wafer)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/07 09:41
S7	369	(chamber near liner) and semiconductor and ( substrate or wafer)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/07 16:35
S8	515	(chamber same liner same temperature) and semiconductor and ( substrate or wafer)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/07 15:47
S9	124	(chamber near liner same temperature) and semiconductor and ( substrate or wafer)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/07 10:34
S10	2	"6171438".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/07 09:49
S11	2	"5874012".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/07 09:49
S12	15	("5478429"   "5651826").PN. OR ("5874012").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/07 10:19
S13	13	("5478429"   "5529632"   "5545258"   "5578131"   "5651826"   "5874012").PN. OR ("6171438").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/07 10:26

S14	5	S9 and @ad<"19950316"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/08 10:13
S15	51	S8 and @ad<"19950316"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/07 11:13
S16	276	(chamber same liner) and (semiconductor or substrate or wafer) and (control\$4 same temperature) and ((fluid or water or gas) same circulat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/07 11:12
S17	44	S16 and @ad<"19950316"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/07 11:32
S18	18	(chamber near liner) near7 (temperature near control\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/17 14:51
S19	0	S18 and @ad<"19950316"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/07 11:32
S20	5	(chamber near liner) same (temperature near control\$5) and @ad<"19950316"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/07 11:33
S21	2	"6647918"	US-PGPUB; USPAT	OR	ON	2005/04/07 13:33
S22	1	"6647918".pn.	US-PGPUB; USPAT	OR	ON	2005/04/07 15:35
S23	1	"6192827".pn.	US-PGPUB; USPAT	OR	ON	2005/04/07 14:09
S24	1	"6074518".pn.	US-PGPUB; USPAT	OR	ON	2005/04/07 14:09
S25	13	("3690037"   "3935950"   "4458582"   "4632624"   "5194793"   "5223123"   "5334922"   "5592581"   "5613821"   "5844195"   "5846332"   "6074518"   "6111225").PN. OR ("6647918"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/07 14:23
S26	1	"20040083978"	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/07 14:23

S27	12	((("3690037") or ("3935950") or ("4458582") or ("5194793") or ("5223123") or ("5334922") or ("5592581") or ("5613821") or ("5844195") or ("5846332") or ("6074518") or ("6111225"))).PN.	US-PGPUB; USPAT	OR	OFF	2005/04/07 15:37
S28	515	(chamber same liner same temperature) and semiconductor and ( substrate or wafer)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/07 15:47
S29	369	(chamber near liner) and semiconductor and ( substrate or wafer)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/07 15:48
S30	247	S29 and (transfer or robot)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/07 15:48
S31	65	S29 and (transfer or robot) and (shutter or door)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/07 15:51
S32	22	S31 and @ad<"19980703"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/07 17:12
S33	17	(chamber near liner) same (slit or slot) same (door or shutter or cover)	US-PGPUB; USPAT	OR	ON	2005/04/07 19:05
S34	8	S33 and @ad<"19980703"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/07 17:16
S35	1	(chamber near liner) same (slit or slot) same (door or shutter or cover)	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/07 17:15
S36	163	(chamber near liner) and ((slit or slot) same (door or shutter or cover))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/07 17:25
S37	72	S36 and @ad<"19980703"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/07 17:27

S38	1773	(chamber near liner)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/07 17:25
S39	437	(chamber near liner) same cylind\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/07 17:26
S40	152	S39 and @ad<"19980703"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/07 19:09
S41	26	"5874012"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/07 17:35
S42	1	"5874012".pn.	US-PGPUB; USPAT	OR	ON	2005/04/07 17:35
S43	3237	(h01l021/\$.ipc. or c23c016/\$.ipc.) and chamber same (liner or cover or shield)	EPO; JPO; DERWENT	OR	ON	2005/04/17 15:01
S44	1082	(h01l021/\$.ipc. or c23c016/\$.ipc.) and chamber near3 (liner or cover or shield)	EPO; JPO; DERWENT	OR	ON	2005/04/07 17:50
S45	353	(h01l021/\$.ipc. or c23c016/\$.ipc.) and chamber near (liner or cover or shield)	EPO; JPO; DERWENT	OR	ON	2005/04/07 17:53
S46	204	(h01l021/\$.ipc. or c23c016/\$.ipc.) and (chamber same liner)	EPO; JPO; DERWENT	OR	ON	2005/04/07 18:59
S47	3058	(h01l021/\$.ipc. or c23c016/\$.ipc.) and (chamber same (shield or cover))	EPO; JPO; DERWENT	OR	ON	2005/04/07 18:59
S48	310	(h01l021/\$.ipc. or c23c016/\$.ipc.) and (chamber near (shield or cover))	EPO; JPO; DERWENT	OR	ON	2005/04/07 19:02
S49	2083	(h01l021/\$.ipc. or c23c016/\$.ipc.) and (aperture or hole) and recess	EPO; JPO; DERWENT	OR	ON	2005/04/07 19:02
S50	3058	(h01l021/\$.ipc. or c23c016/\$.ipc.) and (chamber same (shield or cover))	EPO; JPO; DERWENT	OR	ON	2005/04/07 19:02
S51	12	S49 and S50	EPO; JPO; DERWENT	OR	ON	2005/04/07 19:03
S52	1090	(chamber near liner)	US-PGPUB; USPAT	OR	ON	2005/04/07 19:05

S53	14749	(liner same cylind\$5)	US-PGPUB; USPAT	OR	ON	2005/04/07 19:07
S54	34793	(liner same (aperture or hole or open\$4 or slit\$4 or slot\$4))	US-PGPUB; USPAT	OR	ON	2005/04/17 14:53
S55	4438	(liner same recess)	US-PGPUB; USPAT	OR	ON	2005/04/17 14:54
S56	34	S52 and S53 and S54 and S55	US-PGPUB; USPAT	OR	ON	2005/04/07 19:09
S57	17	S56 and @ad<"19980703"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/07 19:44
S58	704420	"118"/(715-733).ccls. or 156/345. \$2.ccls. or 204/192.\$2.ccls. or 204/298.\$2.ccls. or (216/67,58). ccls. or 219/76.16.ccls. or 414/939.ccls. or (438/758-763). ccls. or 438/710.ccls. or "438"/(689-744).ccls. or (427/534, 569,585,255.28).ccls.	US-PGPUB; USPAT	OR	ON	2005/04/07 19:33
S59	150543	(118/715-733).ccls. or 156/345. \$2.ccls. or 204/192.\$2.ccls. or 204/298.\$2.ccls. or (216/67,58). ccls. or 219/76.16.ccls. or 414/939.ccls. or (438/758-763). ccls. or 438/710.ccls. or "438"/(689-744).ccls. or (427/534, 569,585,255.28).ccls.	US-PGPUB; USPAT	OR	ON	2005/04/17 15:01
S60	985894	"118"/(715-733).ccls. or 156/345. \$2.ccls. or 204/192.\$2.ccls. or 204/298.\$2.ccls. or "216"/("67, 58").ccls. or 219/76.16.ccls. or 414/939.ccls. or "438"/(758-763). ccls. or 438/710.ccls. or "438"/(689-744).ccls. or "427"/("534,569,585,255.28"). ccls.	US-PGPUB; USPAT	OR	ON	2005/04/08 09:49
S61	518	S52 and S60	US-PGPUB; USPAT	OR	ON	2005/04/07 19:43
S62	353	S61 and S54	US-PGPUB; USPAT	OR	ON	2005/04/07 19:43
S63	180	S62 and @ad<"19980703"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/07 19:44
S64	3	(("5788799") or ("5846332") or ("5885356")).PN.	US-PGPUB; USPAT	OR	OFF	2005/04/08 09:32
S66	5016	(bevel same (door or slit\$4 or slot\$4))	US-PGPUB; USPAT	OR	ON	2005/04/08 10:15

S67	38167	(118/715-733).ccls. or 156/345. \$2.ccls. or 204/192.\$2.ccls. or 204/298.\$2.ccls. or (216/67,58). ccls. or 219/76.16.ccls. or 414/939.ccls. or (438/758-763). ccls. or 438/710.ccls. or (438/689-744).ccls. or (427/534, 569,585,255.28).ccls.	US-PGPUB; USPAT	OR	ON	2005/04/08 10:11
S68	14892	(bevel\$3 same (door or slit\$4 or slot\$4))	US-PGPUB; USPAT	OR	ON	2005/04/08 11:21
S70	77314	((bevel\$3 or taper\$3 or wedge or chamfer\$4) same (door or slit\$4 or slot\$4))	US-PGPUB; USPAT	OR	ON	2005/04/08 10:50
S72	2935	(bevel\$3 or taper\$3 or wedge or chamfer\$4) same (door near edge)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/08 11:52
S73	142	(bevel\$3 or taper\$3 or wedge or chamfer\$4) near (door near edge)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/08 10:54
S75	28	((bevel\$3 or taper\$3 or wedge or chamfer\$4) near (door near7 edge)) and semiconductor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/08 10:57
S77	32	((bevel\$3 or taper\$3 or wedge or chamfer\$4) near7 (door near7 (edge or end\$2))) and semiconductor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/08 10:58
S78	54	((bevel\$3 or taper\$3 or wedge or chamfer\$4) same (door near7 (edge or end\$2))) and semiconductor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/08 10:58
S80	9	S72 and (semiconductor or substrate or wafer) and @ad<"19980703"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/08 11:13

S81	8	S75 and @ad<"19980703"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/08 11:17
S82	17	S78 and @ad<"19980703"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/08 11:18
S83	48	S73 and @ad<"19980703"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/08 11:18
S84	206	S70 and S67 and @ad<"19980703"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/08 11:19
S85	38	S68 and S67 and @ad<"19980703"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/08 11:20
S86	15	S66 and S67 and @ad<"19980703"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/08 11:21
S87	260	S81 or S82 or S83 or S84 or S85 or S86	US-PGPUB; USPAT	OR	ON	2005/04/08 11:24
S88	192	S87 and @ad<"19950316"	US-PGPUB; USPAT	OR	ON	2005/04/08 11:25
S89	68	S87 not S88	US-PGPUB; USPAT	OR	ON	2005/04/08 11:25
S90	333	(bevel\$3 or taper\$3 or wedge or chamfer\$4) near3 (door near edge)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/08 11:52
S91	142	(bevel\$3 or taper\$3 or wedge or chamfer\$4) near (door near edge)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/08 11:54
S93	87	((bevel\$3 or taper\$3 or wedge or chamfer\$4) near2 (door near edge)) and @ad<"19980703"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/08 11:57

S94	101	((bevel\$3 or taper\$3 or wedge or chamfer\$4) near2 ((door or shutter) near edge)) and @ad<"19980703"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/17 15:49
S95	2	("4666734"   "5065698").PN. OR ("5914050").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/08 13:26
S96	353	(h01i021/\$.ipc. or c23c016/\$.ipc.) and chamber near (liner or cover or shield)	EPO; JPO; DERWENT	OR	ON	2005/04/08 13:38
S97	26	"5759424"	US-PGPUB; USPAT	OR	ON	2005/04/11 10:41
S100	13903	(chamber near lin\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/17 14:51
S102	1257728	(lin\$4 same (aperture or hole or open\$4 or slit\$4 or slot\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/17 14:55
S104	111837	(lin\$3 same recess)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/17 14:54
S105	479	S100 and S102 and S104	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/17 15:09
S106	317	S105 and @ad<"19980703"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/17 17:26
S107	150907	(118/715-733).ccls. or 156/345.\$2.ccls. or 204/192.\$2.ccls. or 204/298.\$2.ccls. or (216/67,58).ccls. or 219/76.16.ccls. or 414/939.ccls. or (438/758-763).ccls. or 438/710.ccls. or "438"/((689-744).ccls. or (427/534, 569,585,255.28).ccls.	US-PGPUB; USPAT	OR	ON	2005/04/17 15:01
S108	15	S106 and S107	US-PGPUB; USPAT	OR	ON	2005/04/17 15:02
S109	874931	(h01i021/\$.ipc. or c23c016/\$.ipc.)	EPO; JPO; DERWENT	OR	ON	2005/04/17 15:01
S110	0	S106 and S109	US-PGPUB; USPAT	OR	ON	2005/04/17 15:02



S11 1	0	S100 and S102 and S104 and S109	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/17 15:09
S11 2	549077	(bevel\$3 or taper\$3 or wedge or chamfer\$4) and @ad<"19980703"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/17 15:50
S11 3	2684	(slit or slot) near door	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/17 15:50
S11 4	240	S112 and S113	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/17 15:50
S11 5	13	("3690037"   "3935950"   "4458582"   "4632624"   "5194793"   "5223123"   "5334922"   "5592581"   "5613821"   "5844195"   "5846332"   "6074518"   "6111225").PN. OR ("6647918").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/17 16:07
S11 6	11	("3690037"   "5223123"   "5592581"   "5613821"   "5844195"   "5846332").PN. OR ("6192827").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/17 16:42
S11 7	1	"6074518".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/17 16:53
S11 8	1	"20040083978"	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/17 16:53
S11 9	83	(door near edge) near5 bevel\$3	US-PGPUB; USPAT	OR	ON	2005/04/17 17:20
S12 0	2	S119 and semiconductor	US-PGPUB; USPAT	OR	ON	2005/04/17 17:04
S12 1	24	(door near edge) same bevel\$3	EPO; JPO; DERWENT	OR	ON	2005/04/17 17:22
S12 2	46	((door or shutter or cover) near edge) same bevel\$3) and (semiconductor or substrate or wafer)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/17 17:26

S12 3	24	S122 and @ad<"19980703"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/17 17:26
S12 4	48	((bevel\$3 or taper\$3 or wedge or chamfer\$4) near (door near edge)) and @ad<"19980703"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/18 10:14
S12 5	459	(air near bearing) and seal and (bevel\$3 or taper\$3 or wedge or chamfer\$4) and @ad<"19980703"	US-PGPUB; USPAT	OR	ON	2005/04/17 18:27
S12 6	8	((air near bearing) near seal) and (bevel\$3 or taper\$3 or wedge or chamfer\$4) and @ad<"19980703"	US-PGPUB; USPAT	OR	ON	2005/04/17 18:28
S12 7	1	"6111225".pn.	US-PGPUB; USPAT	OR	ON	2005/04/18 09:57
S12 8	2	wo-9731389-\$.did.	EPO; JPO; DERWENT	OR	ON	2005/04/18 09:58
S12 9	1	"4489994".pn.	US-PGPUB; USPAT	OR	ON	2005/04/18 10:09
S13 0	7	((bevel\$3 or taper\$3 or wedge or chamfer\$4) near (slit near10 door)) and @ad<"19980703"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/18 10:16
S13 1	75	((bevel\$3 or taper\$3 or wedge or chamfer\$4) near ((slit or slot) near10 door)) and @ad<"19980703"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/18 10:16